

What is claimed is:

1. A peptide selected from the group consisting of PO70 (SEQ ID NO: 1), PO71 (SEQ ID NO: 2), PO72 (SEQ ID NO: 3) and PAMP-20 (SEQ ID NO: 7).
2. An antibody reactive with at least one peptide of claim 1.
3. A method of preventing or treating cancer by contacting the cancerous cells with an effective amount of the adrenomedullin peptides of claim 1 or the adrenomedullin antibodies of claim 2.
4. The method of claim 3 wherein the cancerous cells are selected from the group consisting of adrenal, nervous system, lung, colon, ovarian, or breast cancerous cells.
5. A method of diagnosing or monitoring diseases by measuring the levels of adrenomedullin in a sample, wherein the presence or absence of adrenomedullin indicates the existence of, or predisposition to a disease.
6. The method of claim 5 wherein the disease is diabetes, renal disease, bone disease, skin disease, and blood related diseases.
7. A method of preventing or treating type II diabetes wherein the adrenomedullin peptides of claim 1 or the adrenomedullin antibodies of claim 2 are used to

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- ° regulate insulin secretion and blood glucose metabolism.
8. A method of diagnosing or treating conditions related to pregnancy using the adrenomedullin peptides of claim 1 or the adrenomedullin antibodies of claim 2.
9. The method of claim 8 wherein the condition is preeclampsia or fetal growth.
10. A method of regulating activity in areas of the central nervous system by administering to a subject an effective amount of the adrenomedullin peptides of claim 1 or the adrenomedullin antibodies of claim 2 for the regulation of neurotransmission or neuron growth.
11. A method of regulating lessening or inhibiting the allergic response due to the degranulation of mast cells by administering the adrenomedullin antibodies of claim 2 in an amount effective to lessen or inhibit the degranulation of mast cells.
12. A method of treating bacterial or fungal infections by administering to a subject an amount of the adrenomedullin peptides of claim 1 or the adrenomedullin antibodies of claim 2 effective to inhibit or prevent the bacterial or fungal growth.
13. A method of facilitating the healing of chaffed skin, skin lesions, wound repair, and surgical incisions by applying to the surface of the skin of a subject an effective amount of the adrenomedullin peptides of claim 1 effective to facilitate the healing.

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14. A method of promoting organ and bone development using the adrenomedullin peptides of claim 1 or the adrenomedullin antibodies of claim 2.
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15. A pharmaceutical composition comprising the adrenomedullin peptides of claim 1.
16. A pharmaceutical composition comprising the adrenomedullin antibodies of claim 2.

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